

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	1203 75	policy or policies or rule or right or privilege)near10(packet or data or stream or datagram or flow	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:29	
2	BRS	L2	1646 3	policy or policies or rule or right or privilege)near10(validat \$3 or authent\$7 or author\$7 or verif\$7	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:28	
3	BRS	L3	3221	2 near10(packet or data or stream or datagram or flow)	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:29	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
4	BRS	L4	3126	1 and 3	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:29	
5	BRS	L5	880	(firewall or proxy or proxies)same 1	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:29	
6	BRS	L6	208	4 and 5	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:29	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	BRS	L7	4431 57	key or header or index or pointer or reference)near10(packet or data or stream or datagram or flow	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:30	
8	BRS	L8	180	6 and 7	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:31	
9	BRS	L9	1035 5	7 same 1	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:31	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
10	BRS	L10	71	9 and 8	USP AT; US-P GPU B; EPO; JPO; DER WEN T; IBM_ TDB	2004/05/ 26 12:31	

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Set	Items	Description
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S2	235350	(POLICY OR POLICIES OR RULE OR RIGHT OR PRIVILEGE) (1ON) (VA- LIDAT??? OR AUTHENT?????? OR AUTHOR?????? OR VERIF???????)
S3	977	S2(1ON) (PACKET OR STREAM OR DATAGRAM OR FLOW)
S4	783	S1 AND S3
S5	455655	(KEY OR HEADER OR INDEX OR POINTER OR REFERENCE) (1ON) (PACK- ET OR DATA OR STREAM OR DATAGRAM OR FLOW)
S6	418	S5(S)S2
S7	10	S4 AND S6
	?	

(FILE 'USPAT' ENTERED AT 13:14:56 ON 05 JUL 1999)

L1        377 S (AUTHORIZ? OR UNAUTHORIZ?) (3A) (ACCESS? OR LOGG?) (5A)  
COM  
L2        19 S L1 AND SESSION? (3A) KEY?  
L3        16 S L2 AND VALIDAT?  
L4        7 S L3 AND PACKET?

=> d l3 4-10 ti,ab,clm

US PAT NO:        5,724,426 [IMAGE AVAILABLE]                            L3: 4 of 16  
TITLE:            Apparatus and method for controlling access to and  
                  interconnection of computer system resources

ABSTRACT:

A compact, physically secure, high-performance access controller (16, 18) is electrically connected to each access-managed resource (12, 14) or group of resources (10) in a computer system. Whenever access managed resources attempt to establish communications, their associated access controllers exchange sets of internally generated access authorization codes (106, 112, 120, 132, 202, 208, 216, 270, 272) utilizing protocols characterized by multiple random numbers, resource authorization keys, serial number (48, 72) verification, and **session** authorization **keys**. Each new **session** employs different encryption **keys** derived from multiple random numbers and multiple hidden algorithms. Tables of authorized requesting and responding resources are maintained in a protected memory (34, 38) in each access controller. An authorization table building procedure is augmented by an optional central access control system (56) that employs a parallel control network (62, 64, 66) to centrally manage the access control tables in an access-controlled system of resources.

CLAIMS:

CLMS (1)

We claim:

1. A system for securely transferring data across a data communication medium between first and second computer system resources, comprising:  
first and second access controllers electrically connected to the data communication medium and to respective ones of the first and second resources for transferring the data after verifying that the first and second resources are both associated with at least one authorized access code;  
the access controllers each including:  
a memory storing a table of encryption keys, a table of algorithms, and a table of authorized resources that associates pairs of resources with authorized access control codes;  
a processor generating plural numbers and utilizing the plural numbers, a selected one of the stored algorithms, and a selected one of the stored encryption keys to generate in cooperation with the other access controller a **session key**; and  
a processor using the **session key** to encrypt the secure data transferred across the data communication medium.

(FILE 'USPAT' ENTERED AT 15:48:26 ON 05 JUL 1999)

L1           208 S 713/201/CCLS  
L2           83 S L1 AND (AUTHORIZ? OR UNAUTHORIZ?) (3A) (ACCESS? OR LOGG?  
)  
L3           11 S L2 AND SESSION? (3A) KEY?  
L4           6 S L3 AND VALIDAT?

=> d 14 1-4,6 ti,ab

TEXT DATA FOR PATENT 5,892,900 IS NOT AVAILABLE, SEE IMAGE DATA, THE MICROFILE OR PAPER INSTEAD

US PAT NO:   5,832,228 [IMAGE AVAILABLE]                   L4: 2 of 6  
TITLE:       System and method for providing multi-level security in  
                computer devices utilized with non-secure networks

**ABSTRACT:**

A multi-level network security system is disclosed for a computer host device coupled to at least one computer network. The system including a secure network interface Unit (SNIU) contained within a communications stack of the computer device that operates at a user layer communications protocol. The SNIU communicates with other like SNIU devices on the network by establishing an association, thereby creating a global security perimeter for end-to-end communications and wherein the network may be individually secure or non-secure without compromising security of communications within the global security perimeter. The SNIU includes a host/network interface for receiving messages sent between the computer device and network. The interface operative to convert the received messages to and from a format utilized by the network. A message parser for determining whether the association already exists with another SNIU device. A session manager coupled to said network interface for identifying and verifying the computer device requesting access to said network. The session manager also for transmitting messages received from the computer device when the message parser determines the association already exists. An association manager coupled to the host/network interface for establishing an association with other like SNIU devices when the message parser determines the association does not exist.

US PAT NO:   5,828,832 [IMAGE AVAILABLE]                   L4: 3 of 6  
TITLE:       Mixed enclave operation in a computer network with  
                multi-level network security

**ABSTRACT:**

A method is disclosed for mixed enclave operation of a computer network with users employing a multi-level network security interface and users without any network security interface. Either the network security user selects or the network security interface automatically selects whether communications are permissible with other unsecured users. Where a mixed enclave operation is selected, the network security user identifies when communications are being undertaken with another secured user or a non-secured user. Communications with a non-secured user at a lower security level entail securing the data residing with the secured user from transmission back to the non-secured user.

US PAT NO:   5,692,124 [IMAGE AVAILABLE]                   L4: 4 of 6  
TITLE:       Support of limited write downs through trustworthy